

[11 December, 2006]

RAJYA SABHA

(a) whether it is a fact that his Ministry has plans to execute its first tidal energy power plant at Durgadauri Creek in Sundarbans;

(b) whether it is also a fact that the 3.65 MW tidal plant in Sundarbans would make it the fourth largest in the world and the estimated cost of the project is about Rs. 40 crores; and

(c) if so, the other infrastructure details of the proposed plant?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) The Ministry of New and Renewable Energy have provided financial support to the West Bengal Renewable Energy Development Agency (WBREDA) for the preparation of Detailed Project Report and the Environmental Impact Assessment Study Report for a 3.65 MW tidal power project for Durgaduani Creek in Sunderbans, West Bengal. WBREDA have submitted these reports to the Ministry.

(b) As per available data, ten tidal power projects of 271.5 MW capacity are in operation, viz, one in France (240 MW), one in Canada (20 MW), seven in China (total capacity 11 MW) and one in Russia (0.50 MW). As per the revised cost estimates submitted by WBREDA, the project cost of the 3.65 MW capacity Tidal Power Project at Durgaduani Creek has been estimated at Rs. 40 crores.

(c) Infrastructure development of the tidal project include construction of dam, by-pass channel, sluice gates, roads, housing colony, civil works for setting up of turbines, generator, power house, control rooms, transmission lines to evacuate the power, etc.

Availability of renewable energy to common man

2029. SHRI VIJAY J. DARDA: Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) whether it is a fact that lot more is needed to be done to make available renewable energy at an affordable price to the common man; and

(b) if so, the steps Government propose to take in this regard?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) and (b)

Renewable energy systems/devices are becoming competitive or near competitive. Research and Development is in progress across the globe, including this country to make such systems affordable, convenient, reliable and safe. However, to increase affordability and/or to attract investment in the sector various fiscal and financial incentives are being provided that include capital/interest subsidy, accelerated depreciation, concessional duties and relief from taxes. These apart, preferential tariff for grid interactive power is being given in most potential States.

Annual Power Production through New and Renewable Energy

2030. SHRI ABU ASIM AZMI:

SHRIMATI JAYA BACHCHAN:

Will the Minister of NEW AND RENEWABLE ENERGY be pleased to state:

(a) the annual production of power through the means of production available under the new and renewable energy;

(b) whether any addition has been made to these means of production in the last two years;

(c) the States/areas where the energy thus produced is utilized; and

(d) the steps being taken to increase the renewable energy generation in this country?

THE MINISTER OF STATE OF THE MINISTRY OF NEW AND RENEWABLE ENERGY (SHRI VILAS MUTTEMWAR): (a) 2011 MW grid interactive renewable power generation installed capacity has been set up during 2005-06 through renewable energy sources, which is estimated to have fed 14 billion units of electricity to the grid.

(b) 3377 MW grid interactive power generation installed capacity has been added during the last two years, *i.e.*, 2004-05 and 2005-06 through renewable energy sources.

(c) Apart from supplementing grid-interactive power generation renewable energy supplements energy needs of cooking, heating, lighting and motive power throughout the country.

(d) To promote renewable energy generation in the country fiscal and financial incentives are being provided that include capital/interest subsidy,